Chapter 2
Levels of Change Authority

2.1 Introduction

Chapter 2 defines the responsibilities of each level of change authority. Additionally, each Radar Product Generator (RPG) adaptable parameter designated with a Level of Change Authority (LOCA) of Unit Radar Committee (URC) or Agency is provided. ***By design, those adaptable parameters not specifically defined as URC or Agency LOCA in this document fall under the jurisdiction of the OSF LOCA.*** The listings also cross-reference the location (chapter and section) where the parameter can be found in subsequent chapters.

2.2 Levels of Change Authority Definitions

2.2.1 Operational Support Facility

The Operational Support Facility (OSF) through the Adaptable Parameter Working Group (APWG) is authorized to determine the general validity and range of adaptable parameter values for changes that involve technical and scientific characteristics of WSR-88D data acquisition and algorithmic processing. In addition, the OSF shall be authorized to determine, specifically, the values of the aforementioned default adaptable parameter values for WSR-88D equipment owned by Department of Defense, Department of Transportation, and Department of Commerce. Since the APWG shall remain subordinate to the NEXRAD Program Management Committee (PMC), the OSF level of change authority shall reflect the PMC's position on triagency policy in WSR-88D operations.

2.2.2 Unit Radar Committee

The Unit Radar Committee (URC) is authorized to change the values of WSR-88D adaptable parameters, and establish adaptation parameter policy for the principal users within the URC, insofar as these changes affect only the operation of the URC's WSR-88D system. Changes that a single URC are authorized to implement are identified in Tables 2.3-1 and 2.4-1 and may include the “fine tuning” needed to meet local operational requirements, seasonal changes, and local climatological characteristics.

2.2.3 Agency

The Department of Defense (DOD), Department of Transportation (DOT), and Department of Commerce (DOC), each is authorized to change the values of adaptable parameters and establish WSR-88D adaptation parameter policy in order to meet their agency-specific mission requirements and criteria. Changes that a single agency are authorized to implement are identified in Table 2.5-1 and may involve user passwords and certain telecommunications settings.

2.3 URC LOCA Adaptable Parameters

Table 2.3 - 1 provides a listing of the RPG adaptable parameters under the change authority of the URC. Section numbers are provided identifying where additional information about the parameter can be found in subsequent chapters of this document.

Table 2.3 - 1: URC LOCA Adaptable Parameters

Parameter	Section
Alert Processing (Alert Thresholds and Product Alert Pairing)	3.2
Base Velocity Product Data Levels	4.11
Bi-Scan Minimum Range	6.6
Cell-Based VIL (Maximum)	6.3
Clutter Suppression Region Definitions	3.4
Combined Shear Contour Interval	6.4
Combined Shear Domain Resolution	6.4
Combined Shear Filter Number of Points	6.4
Combined Shear Elevation to Process	6.4
Composite Reflectivity Contour Interval	4.3
Contour Filter Level	4.3
Current Volume Coverage Pattern (VCP) Definition	3.10
Default Storm Direction	6.2
Default Storm Speed	6.2
Echo Top Contour Base	4.3
Hail Height (0° Celsius)	6.2
Hail Height (minus 20° Celsius)	6.2
Maximum Number of Cells in STI Alphanumeric Product	4.4
Maximum Number of Cells in SS Alphanumeric Product	4.4
Maximum Number of Cells in Hail Alphanumeric Product	4.4
Maximum Number of Cells in STI Attributes Table	4.4
Maximum Number of Cells in Combined Attributes Table	4.4
Maximum Number of Cells in Hail Attribute Table	4.4
Nominal Clutter Area (Precipitation Detection)	6.8
One and Three Hour Precipitation Product Data Levels	4.6
Precipitation Bias Adjustment Flag	4.2
Storm Total Precipitation Product Data Levels	4.9

Table 2.3 - 1: URC LOCA Adaptable Parameters

Parameter	Section
Velocity Azimuth Display (VAD) Beginning Azimuth	6.15
Velocity Azimuth Display (VAD) Ending Azimuth	6.15
Velocity Azimuth Display (VAD) Range	6.15

2.4 OSF-Level Adaptable Parameters Delegated to URC LOCA

To enable the field to “fine-tune” certain algorithm parameters, the OSF has delegated the change authority of selected parameters to the URC LOCA. The adaptable parameters in this category may **only** be modified in accordance to the guidance provided in this document. The limits of the URC authority and the range of allowable parameter selections are clearly defined in the **Delegated Authority Restrictions** subsection for each parameter. Table 2.4 - 1 provides a listing of the specific parameters delegated to the URC LOCA.

Table 2.4 - 1: OSF-Level Change Authority Delegated to URC-Level

Parameter	Section
Mesocyclone Minimum Number of Pattern Vectors (TPV)	6.7
Tornado Vortex Signature (TVS) Shear Threshold (TTS)	6.14
VAD and RCM Height Selections	4.10
Z-R Relationship	6.17

2.5 Agency LOCA Adaptable Parameters

Table 2.5 - 1 provides a listing of the RPG adaptable parameters under the change authority of the Agency. Section numbers are provided identifying where additional information about the parameter can be found in subsequent chapters of this document.

Table 2.5 - 1: Agency LOCA Adaptable Parameters

Parameter	Section
Environmental Wind Estimates	6.2
First Level Password	3.8
Dial-In User Disconnect Override Privileges	5.5
Dial-In User ID	5.3
Dial-In User Configuration Table	5.3
Dial-In User Maximum Connect Time Limit	5.3
Dial-In User Port Password	5.4
Rain Gage Data Acquisition (RGDAC) Phone Number 1	5.6
Rain Gage Data Acquisition (RGDAC) Phone Number 2	5.6
Status Update Frequency	3.9

NOTE

All adaptable parameters, unless explicitly defined as URC or Agency LOCA in Chapter 2 of this document, or changes or updates to this document, are under the OSF LOCA.